REMARKS

Entry of the amended claims filed on August 6, 2004 is proper under 37 C.F.R. §1.116 since the amendments: (1) place the application in condition for allowance for the reasons discussed therein; (2) do not raise any new issues requiring further search and/or consideration; (3) satisfy a requirement of form asserted in the previous Office Action; and/or (4) place the application in better form for appeal. Entry is thus requested.

CONCLUSION

In view of the foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance are earnestly solicited.

If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney, **Daniel Y.J. Kim**, at the telephone number listed below.

Serial No. **09/406,844**
Resubmission of Amendment dated August 6, 2004
Reply to Final Office Action of February 9, 2004

Docket No. **CIT/K-0091**

All fees have been previously paid. However, to the extent necessary, a petition for an

extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due

in connection with the filing of this, concurrent and future replies, including extension of time

fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,
FLESHNER & KIM, LLP

Daniel Y.J. Kim
Registration No. 36,186

Attachments: Copies of the following:
    Auto-Reply Facsimile Transmission from U.S. Patent Office dated August 6, 2004
    Amendment Transmittal filed on August 6, 2004
    Notice of Appeal filed on August 6, 2004
    Petition for Three-Month Extension of Time filed on August 6, 2004
    Amendment After Final Rejection filed on August 6, 2004
    Return Card date-stamped January 6, 2005 for Petition for Extension of Time
    Petition for Three-Month Extension of Time filed January 6, 2005

P.O. Box 221200
Chantilly, Virginia 20153-1200
703 766-3701 DYK/dak
Date: May 10, 2006
Please direct all correspondence to Customer Number 34610
\\Fk4\Documents\2016\2016-472\94006.doc

Docket No.: CIT/K-0091   <u>PATENT</u>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of   **EXPEDITED PROCEDURE**
In Tae HWANG, Sang Rim SHIN and Myoung Jin OK   **UNDER 37 C.F.R. § 1.116**

Serial No.: 09/406,844   Group Art Unit: 2685

Filed: September 29, 1999   Examiner: Pablo N. Tran

Confirmation No.: 1994   **Customer No.: 34610**

For   METHOD FOR BRANCHING DATA IN MOBILE COMMUNICATION TERMINAL

U.S. Patent and Trademark Office
2220 20th Street S.
Customer Window, Mail Stop **AF**
Crystal Plaza Two, Lobby, Room 1B03
Arlington, VA 22202

Dear Sir:

Transmitted herewith is an Amendment and/or Reply in the above identified application.
☐   No additional fee is required.
☒   Also attached: Petition for Extension of Time and Notice of Appeal

The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	26	44	0	x $18 =	
Independent Claims	2	3	0	x $43 =	
		If multiple claims newly presented, add $290.00			
		Fee for extension of time & Notice of Appeal			$1,280.00
		TOTAL FEE DUE			$1,280.00

☒   Please charge my Deposit Account No. <u>16-0607</u> in the amount of $1,280.00. An additional copy of this transmittal sheet is submitted herewith.

☐   A check in the amount of $ _(Check #___) is attached.

☒   The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. <u>16-0607</u>, including any filing fees under 37 C.F.R. 1.16 for presentation of extra claims and any patent application processing fees under 37 C.F.R. 1.17.
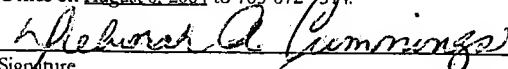
                                        Respectfully submitted,
                                        FLESHNER & KIM, LLP

                                        Daniel Y.J. Kim
                                        Registration No. 36,186

P.O. Box 221200
Chantilly, VA 20153-1200   **CERTIFICATE OF TRANSMISSION**
(703) 766-3701 DYK:dac   I hereby certify that this correspondence is being facsimile
Date: August 6, 2004   transmitted to the United States Patent and Trademark
                                     Office on <u>August 6, 2004</u> to 703-872-9574.

                                     _____
                                     Signature
                                     <u>Deborah A. Cummings</u>
                                     Typed or printed name of person signing Certificate

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Confirmation No.: 1994

In Tae HWANG, Sang Rim SHIN and Myoung Jin OK

Group Art Unit: 2685

Serial No.: 09/406,844

Examiner: Pablo N. Tran

Filed: 9/29/1999

Customer No.: 34610

For: METHOD FOR BRANCHING DATA IN MOBILE COMMUNICATION TERMINAL

NOTICE OF APPEAL
FROM THE PRIMARY EXAMINER TO THE BOARD OF APPEALS

U.S. Patent and Trademark Office
220 20th Street S.
Customer Window, **Mail Stop Appeal Brief-Patents**
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202

Sir:

Applicant hereby appeals to the Board of Appeals from the decision dated February 9, 2004 of the Primary Examiner finally rejecting claims 1-44.

☒ Appeal Fee ($330.00) and a 3-Month Extension of Time ($950.00).

☒ Charge to Deposit Account No. 16-0607.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.
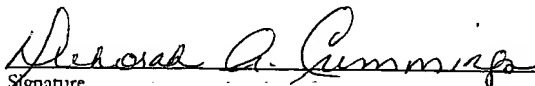
Respectfully submitted,
FLESHNER & KIM, LLP

Daniel Y J. Kim
Registration No. 36,186

P.O. Box 221200
Chantilly, VA 20153-1200
703 766-3701 DYK:dac
Date: August 6, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	Confirmation No.: 1994
In Tae HWANG, Sang Rim SHIN and Myoung Jin OK	Group Art Unit: 2685
Serial No.: 09/406,844	Examiner: Pablo N. Tran
Filed: 9/29/1999	**Customer No.: 34610**

For: METHOD FOR BRANCHING DATA IN MOBILE COMMUNICATION TERMINAL

PETITION FOR EXTENSION OF TIME UNDER 37 C.F.R. §1.136(a)(1)

U.S. Patent and Trademark Office
220 20th St. S.
Customer Window
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202

Sir:

Applicant petitions the Commissioner of Patents and Trademarks to extend the time for response to the Office Action dated February 9, 2004 for <u>three</u> month(s) from to August 9, 2004

The Commissioner is hereby authorized to charge Deposit Account No. <u>16-0607</u> in the amount of <u>$950</u> for the extension of time under 37 C.F.R. §1.17(a) is enclosed. Any deficiency or overpayment should be charged or credited to Deposit Account No. <u>16-0607</u>.
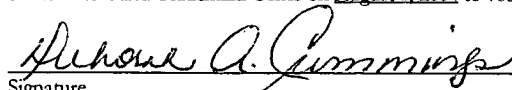
Respectfully submitted,
FLESHNER & KIM, LLP

Daniel Y.J. Kim
Registration No. 36,186

P.O. Box 221200
Chantilly, VA 20153-1200
(703) 766-3701 *DYK:dac*
Date: August 6, 2004

CERTIFICATE OF TRANSMISSION
I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office on <u>August 6, 2004</u> to 703-872-9314.

Signature
<u>Deborah A. Cummings</u>
Typed or printed name of person signing Certificate

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of   Confirmation No.: 1994

In Tae HWANG, Sang Rim SHIN and   Group Art Unit: 2685
Myoung Jin OK

Serial No.: 09/406,844   Examiner: Pablo N. Tran

Filed: September 29, 1999   **Customer No.: 34610**

For: METHOD FOR BRANCHING DATA IN MOBILE COMMUNICATION
        TERMINAL

PETITION FOR EXTENSION OF TIME UNDER 37 C.F.R. §1.136(a)(1)

U.S. Patent and Trademark Office
220 20th St. S.
Customer Window
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202

Sir:

Applicant petitions the Commissioner of Patents and Trademarks to extend the time for
response to the Notice of Appeal filed August 6, 2004 for three (3) month(s) from October 6,
2004 to January 6, 2005.

A check including the amount of $1,020.00 for the extension of time under 37 C.F.R.
§1.17(a) is enclosed. Any deficiency or overpayment should be charged or credited to Deposit
Account No. 16-0607.

Respectfully submitted,
FLESHNER & KIM, LLP

Daniel Y.J. Kim
Registration No. 36,186

P.O. Box 221200
Chantilly, VA 20153-1200
(703) 766-3701 DYK/cah
Date: January 6, 2005

FLESHNER & KIM, L___
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2325 DULLES CORNER BOULEVARD
SUITE 1100
HERNDON, VA 20171
(703) 766-3701

BB&T
Branch Banking and Trust Company
65-330/550

1/6/2005

PAY TO THE
ORDER OF   Commissioner of Patents and Trademarks $ 1,020.00

One Thousand, Twenty & No/100 Dollars   DOLLARS

Commissioner of Patents and Trademarks

MEMO:
09/406,844 (CIT/K-0091;2016-472) extension of time fee

⑈01440⑈⑈ ⑈055003308⑈ 5154346505⑈

FLESHNER & KIM, LLP
GOVT. PTO
BB&T Govt Fee - 5154346505

Commissioner of Patents and Trademarks
09/406,844 (CIT/K-0091;2016-472) extension of time fee

1/6/2005 14407

Account Description	Amount
Hard Cost - Prepaid for Client	1,020.00

The Patent Office acknowledges, and has stamped hereon, the date of receipt of the items listed below:

Docket No.:   CIT/K-0091   Application No. 09/406,844

Title: METHOD FOR BRANCHING DATA IN MOBILE COMMUNICATION TERMINAL

Inventor(s):   In Tae HWANG, Sang Rim SHIN and Myoung Jin OK

		FEE(S)	CHECK NO.
1.	Petition for Extension of Time	$1,020.00	14407
2.			
3.			

TOTAL FEE: $1,020.00

Old Due Date: 1/6/2005   New Due Date: _____   Initials: DYK/cah
(   ) Charge To Deposit Account 16-0607   Date Filed: January 6, 2005

Docket No.: CIT/K-0091   PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: **EXPEDITED PROCEDURE**
                                               UNDER 37 C.F.R. §1.116
In Tae HWANG, Sang Rim SHIN and Myoung
Jin OK

Serial No.: 09/406,844   Group Art Unit: 2685

Confirmation No.: 1994   Examiner: Pablo N. Tran

Filed: September 29, 1999   **Customer No.: 34610**

For: METHOD FOR BRANCHING DATA IN MOBILE COMMUNICATION
       TERMINAL

REPLY AND/OR AMENDMENT
UNDER 37 C.F.R. §1.116

U.S. Patent and Trademark Office
220 20th Street S.
Customer Window, Mail Stop AF
Crystal Plaza Two, Lobby, Room 1B03
Arlington, VA 22202

Sir:

Pursuant to the interview conducted on August 4, 2004, and the final Office Action dated

February 9, 2004. The period for reply being extended from May 9, 2004 to August 9, 2004, by a

Petition for a Three-month Extension of Time filed herewith, please amend the above-identified

application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this
paper.

Remarks/Arguments begin on page 13 of this paper.

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) In a method for performing data communication between a mobile station and a network which have media access control sublayers, respectively, a method for branching data in a mobile communication terminal, comprising the steps of:

a) allowing each of said media access control sublayers of said mobile station and network to attach logical channel types based on traffic characteristic information and a radio bearer status to a media access control header contained in data to be sent, in a data sending mode;

b) allowing each of said media access control sublayers to branch said data to be sent, to transport channels corresponding to the ~~attached~~ logical channel types;

c) allowing each of said media access control sublayers to determine logical channels corresponding to logical channel types of a media access control header contained in received data in a data receiving mode; and

d) allowing each of said media access control sublayers to branch said received data to said determined logical channels.

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2. (Original) A method for branching data in a mobile communication terminal, as set forth in Claim 1, wherein each of said steps b) and d) includes the step of allowing each of said media access control sublayers to perform a channel mapping operation in a one-to-one manner, a channel multiplexing operation in a many-to-one manner and a channel demultiplexing operation in a one-to-many manner to branch said data to be sent or said received data.

3. (Original) A method for branching data in a mobile communication terminal, as set forth in Claim 1, wherein said traffic characteristic information includes traffic characteristic identifiers transferred from a radio resource control layer and other upper layers.

4. (Original) A method for branching data in a mobile communication terminal, as set forth in Claim 3, wherein each of said traffic characteristic identifiers represents any one of random access data, synchronization data, system information, paging information, forward access grant information, short message service data, no radio bearer-type short packet data, signaling data, radio bearer-type short/long packet data, multicast signaling data, multicast data and speech characteristics.

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5. (Original) A method for branching data in a mobile communication terminal, as set forth in Claim 1, wherein, in said data sending mode, said media access control sublayer of said mobile station is adapted to, if said data to be sent is random access data, attach a type of a common control channel to said media access control header contained in said data to be sent and map said common control channel to a random access channel in a one-to-one manner, said common control channel and random access channel being logical and transport channels for said random access data, respectively.

6. (Original) A method for branching data in a mobile communication terminal, as set forth in Claim 1, wherein, in said data receiving mode, said media access control sublayer of said mobile station is adapted to, if said logical channel types of said media access control header contained in said received data correspond respectively to a synchronization control channel, a broadcast control channel and a paging control channel, map a synchronization channel, a broadcast channel and a paging channel respectively to said synchronization control channel, broadcast control channel and paging control channel in a one-to-one manner to branch said received data to said synchronization control channel, broadcast control channel and paging control channel, said synchronization control channel and synchronization channel being logical and transport channels for synchronization data, respectively, said broadcast control channel and broadcast channel being logical and

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transport channels for system information, respectively, said paging control channel and

paging channel being logical and transport channels for paging information, respectively.

7. (Original) A method for branching data in a mobile communication terminal, as

set forth in Claim 1, wherein, in said data sending mode, said media access control sublayer

of said mobile station is adapted to, if said traffic characteristic information includes

synchronization data, system information, paging information and forward access grant

information characteristics, attach types of a synchronization control channel, broadcast

control channel, paging control channel and common control channel to said media access

control header contained in said data to be sent and map said synchronization control

channel, broadcast control channel, paging control channel and common control channel

respectively to associated transport channels in a one-to-one manner to branch said data to

be sent, to the associated transport channels, said synchronization control channel, broadcast

control channel, paging control channel and common control channel being logical channels

for said synchronization data, system information, paging information and forward access

grant information characteristics, respectively.

8. (Original) A method for branching data in a mobile communication terminal, as

set forth in Claim 1, wherein, in said data sending mode, said media access control sublayer

of said mobile station is adapted to, if said traffic characteristic information includes random

access data, short message data and no radio bearer-type short packet data characteristics, attach types of a common control channel, dedicated control channel and dedicated traffic channel to said media access control header contained in said data to be sent and multiplex said common control channel, dedicated control channel and dedicated traffic channel to a random access channel in a many-to-one manner to branch said data to be sent, to the random access channel, said common control channel, dedicated control channel and dedicated traffic channel being logical channels for said random access data, short message data and no radio bearer-type short packet data characteristics, respectively, said random access channel being a transport channel.

9. (Original) A method for branching data in a mobile communication terminal, as set forth in Claim 1, wherein, in said data sending mode, said media access control sublayer of said mobile station is adapted to, if said traffic characteristic information includes signaling data and radio bearer-type short/long packet data characteristics, attach types of a dedicated control channel and dedicated traffic channel to said media access control header contained in said data to be sent and multiplex said dedicated control channel and dedicated traffic channel to a dedicated channel in a many-to-one manner to branch said data to be sent, to the dedicated channel, said dedicated control channel and dedicated traffic channel being logical channels for said signaling data and radio bearer-type short/long packet data characteristics, respectively, said dedicated channel being a transport channel.

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10. (Original) A method for branching data in a mobile communication terminal, as set forth in Claim 1, wherein, in said data sending mode, said media access control sublayer of said network is adapted to, if said traffic characteristic information includes forward access grant information, short message data and no radio bearer-type short packet data characteristics, attach types of a common control channel, dedicated control channel and dedicated traffic channel to said media access control header contained in said data to be sent and multiplex said common control channel, dedicated control channel and dedicated traffic channel to a forward access channel in a many-to-one manner to branch said data to be sent, to the forward access channel, said common control channel, dedicated control channel and dedicated traffic channel being logical channels for said forward access grant information, short message data and no radio bearer-type short packet data characteristics, respectively, said forward access channel being a transport channel.

11. (Original) A method for branching data in a mobile communication terminal, as set forth in Claim 1, wherein, in said data sending mode, said media access control sublayer of said network is adapted to, if said traffic characteristic information includes multicast signaling data and multicast data characteristics, attach types of a dedicated control channel and dedicated traffic channel to said media access control header contained in said data to be sent and multiplex said dedicated control channel and dedicated traffic channel to a downlink

shared channel in a many-to-one manner to branch said data to be sent, to the downlink

shared channel, said dedicated control channel and dedicated traffic channel being logical

channels for said multicast signaling data and multicast data characteristics, respectively, said

downlink shared channel being a transport channel.

12. (Original) A method for branching data in a mobile communication terminal, as

set forth in Claim 1, wherein, in said data sending mode, said media access control sublayer

of said network is adapted to, if said traffic characteristic information includes signaling data

and radio bearer-type short/long packet data characteristics, attach types of a dedicated

control channel and dedicated traffic channel to said media access control header contained

in said data to be sent and multiplex said dedicated control channel and dedicated traffic

channel to a dedicated channel in a many-to-one manner to branch said data to be sent, to

the dedicated channel, said dedicated control channel and dedicated traffic channel being

logical channels for said signaling data and radio bearer-type short/long packet data

characteristics, respectively, said dedicated channel being a transport channel.

Claims 13-17 (Canceled)

18. (Currently Amended) A method comprising mapping between logical channels and

transport channels, wherein:

the logical channels comprise at least one of:

a dedicated control channel; and

a dedicated traffic channel, and

the transport channels comprise at least one of:

a forward access channel;

a random access channel;

a downlink shared channel; and

a dedicated channel, wherein said mapping is a function of a medium

access control (MAC) layer.

Claims 19-20 (Canceled)

21. (Previously Presented) The method of claim 18, wherein the medium access

control is a sublayer that performs a branching operation suitable to a service characteristic in

order to appropriately process a variety of services.

22. (Previously Presented) The method of claim 18, wherein the said mapping is

between the dedicated control channel and one of the transport channels.

Claim 23 (Canceled)

24. (Currently Amended) The method of claim ~~23~~ 22, wherein the ~~DCCH~~ dedicated control channel is for transferring dedicated signal control information in duplex through a downlink and uplink.

25. (Previously Presented) The method of claim 18, wherein the said mapping is between the dedicated traffic channel and one of the transport channels.

Claim 26 (Canceled).

27. (Currently Amended) The method of claim ~~26~~ 25, wherein the ~~DTCH~~ dedicated traffic channel is for transferring dedicated user long/short packet data in duplex through a downlink and uplink.

28. (Previously Presented) The method of claim 18, wherein the said mapping is between one of the logic channels and the forward access channel.

Claim 29 (Canceled).

30. (Currently Amended) The method of claim ~~29~~ 28, wherein the ~~FACH~~ forward

access channel is for transferring forward access grant information and short packet data in simplex through a downlink.

31. (Previously Presented) The method of claim 18, wherein the said mapping is between one of the logic channels and the random access channel.

Claim 32 (Canceled).

33. (Currently Amended) The method of claim ~~32~~ 31, wherein the ~~RACH~~ random access channel is for transferring random access data and short packet data in simplex through an uplink.

34. (Previously Presented) The method of claim 18, wherein the said mapping is between one of the logic channels and the downlink shared channel.

Claim 35 (Canceled).

36. (Currently Amended) The method of claim ~~35~~ 34, wherein the ~~DSCH~~ downlink shared channel is for multicasting user data in simplex through a downlink.

37. (Previously Presented) The method of claim 18, wherein the said mapping is between one of the logic channels and the dedicated channel.

Claim 38 (Canceled).

39. (Currently Amended) The method of claim ~~38~~ 37, wherein the ~~DCH~~ dedicated channel is for transferring dedicated signal information and dedicated user data in duplex through a downlink and uplink.

Claims 40-44 (Canceled).

REMARKS/ARGUMENTS

Claims 1-12 and 18, 21-22, 24-25, 27-28, 30-31, 31-34, 36-37 and 39 are pending. By this amendment claims 1, 18, 24, 27, 30, 33, 36, and 39 are amended and claims 13-17, 19, 20, 23, 26, 29, 32, 35, 38, and 40-44 are canceled without prejudice or disclaimer.

Entry of the amended claims is proper under 37 C.F.R. §1.116 since the amendments: (1) place the application in condition for allowance (for the reasons discussed herein); (2) do not raise any new issues requiring further search and/or consideration (since the amendments amplify issues previously discussed throughout prosecution without incorporating additional subject matter); (3) satisfy a requirement of form asserted in the previous Office Action; and/or (4) place the application in better form for appeal (if necessary). Entry is thus requested.

As discussed, independent claim 1 has been amended for antecedent basis and claim 18 has been amended to incorporate the subject matter of dependent claims 19-20.

Claims 1-4, 13-22, 25, 34, 37, and 40-44 stand rejected under 35 U.S.C. § 102(e) as unpatentable over Widegren et al. (U.S. Patent No. 6,374,112). Further claims 5-12 stand rejected under 35 U.S.C. 103(a) as unpatentable over Widegren et al.

To the extent that this rejection is applicable to the pending claims, this rejection is respectfully traversed.

As discussed during the interview, Widegren et al. cannot disclose or teach all the claimed features of independent claims 1 and 18, as required under sections 102 and 103. For example, Widegren et al. fails to disclose allowing each of the media access control sublayers to attach

logical channel types to a media access control header contained in a data to be sent, and

allowing each of the media access control sublayers to branch the data to be sent to transport

channels corresponding to the logical channel types, as recited in recitations a) and b) of

independent claim 1. Further, Widegren et al. does not disclose or teach allowing each of the

media access control sublayers to determine logical channels corresponding to logical channel

types of a media access control header contained in received data and allowing each of the media

access control sublayers to branch the received data to the determined logical channels, as recited

in recitation c) and d) of independent claim 1. Moreover, Widegren et al. fails to disclose or

teach the method comprising mapping between logical channels and transport channels using

the recited logical and transport channels, wherein the mapping is a function of a media access

control (MAC) layer, as recited in independent claim 18.

As illustrated in Figure 1 and described in various portions of the specification of

Widegren et al., Widegren et al. discloses a logical connection between a service node, e.g., 18, to

the mobile station 30 using a transport connection which comprises the RAN I/F (interface),

and a physical radio channel connection, which comprises the radio IF. As explained during the

interview, Widegren et al. does not disclose any mapping and/or branching of logical channels

and transport channels by a MAC layer, and there is no explicit disclosure of logical channels

between the RLC and the MAC layers. The only reference is a term "a logical channel mapping"

in Figure 7, but there is no disclosure or explicit explanation of this logical channel mapping

since the logical link layer 30 does not correspond to the MAC layer, as recited in the independent claims.

In other words, Widegren et al. does not seem to relate to the mapping of the logical channels, which exist between the MAC and its upper layer, and transport channels, which exist between the MAC layer and the physical layer. Hence, Widegren et al. does not disclose or teach the specific features regarding the MAC header and the various mapping and/or branching, as recited in independent claim 1, and the MAC function of mapping between the particular logical channels and the transport channels, are recited in independent claim 18.

Claims 23-24, 26-27 and 35-36 stand rejected under 35 U.S.C. § 103(a) over Widegren et al. in view of Manning et al. (U.S. Patent No. 6,519,266). This rejection is respectfully traversed.

Manning et al. discloses various layers but does not disclose the transport channels as recited in the independent claims. Since there are no transport channels disclosed in Manning et al., there can be no disclosure regarding mapping and/or branching functions of the MAC layer. Hence, Manning et al. does not teach the features lacking in Widegren et al., and withdrawal of this rejection is respectfully requested.

Claims 28-33 and 38-39 stand rejected under 35 U.S.C. § 103(a) over Widegren et al. in view of Wallentin et al. (U.S. Patent No. 6,347,091). This rejection is respectfully traversed.

Figure 2 of Wallentin et al. is the same as Figure 1 of Widegren et al. Hence, for the reasons discussed above, Wallentin et al. does not disclose or teach the mapping and/or

branching of the logical channels and transport channels, as recited in the claims. Hence, withdrawal of this rejection is respectfully requested.

CONCLUSION

In view of the foregoing amendments and remarks, it is respectfully submitted that this application is in condition for allowance. Favorable consideration and prompt allowance are earnestly solicited.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,
FLESHNER & KIM, LLP

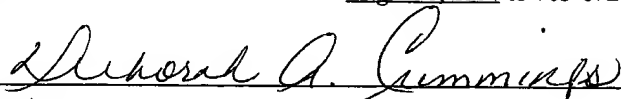Daniel Y.J. Kim
Registration No. 36,186

P.O. Box 221200
Chantilly, Virginia 20153-1200
703 766-3701 DYK:dac
Date: August 6, 2004
Q:\Documents\2016-472\38018.doc

Certificate of Transmission under 37 CFR 1.8
I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office on August 6, 2004 to 703-872-9314.

Signature

16

Deborah A. Cummings
Typed or printed name of person signing Certificate

Please direct all correspondence to Customer Number 34610

The Patent Office acknowledges, and has stamped hereon, the date of receipt of the items listed below.

Docket No.: CIT/K-0091

Application No. 09/406,844

Title: METHOD FOR BRANCHING DATA IN MOBILE COMMUNICATION TERMINAL

Inventor(s): In Tae HWANG, Sang Rim SHIN and Myoung Jin OK

		FEE(S)	CHECK NO.
1.	Petition for Extension of Time	$1,020.00	14407
2.			
3.			

TOTAL FEE: $1,020.00
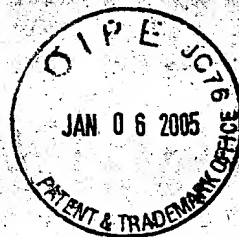
Old Due Date: 1/6/2005   New Due Date: _____   Initials: DYK/cah

( ) Charge To Deposit Account 16-0607   Date Filed: January 6, 2005

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Docket No.:   CIT/K-0091

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
In Tae HWANG, Sang Rim SHIN and Myoung Jin OK

**EXPEDITED PROCEDURE
UNDER 37 C.F.R. § 1.116**

Serial No.: 09/406,844

Group Art Unit: 2685

Filed: September 29, 1999

Examiner: Pablo N. Tran

Confirmation No.: 1994

Customer No.: 34610

For   METHOD FOR BRANCHING DATA IN MOBILE COMMUNICATION TERMINAL

U.S. Patent and Trademark Office
2220 20th Street S.
Customer Window, Mail Stop AF
Crystal Plaza Two, Lobby, Room 1B03
Arlington, VA 22202

Dear Sir:

Transmitted herewith is an Amendment and/or Reply in the above identified application.

☐   No additional fee is required.
☒   Also attached: Petition for Extension of Time and Notice of Appeal

The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	26	44	0	x $18 =	
Independent Claims	2	3	0	x $43=	

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Docket No.: CIT/K-0091   PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of   EXPEDITED PROCEDURE
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Total Claims	26	44	0	x $18 =	
Independent Claims	2	3	0	x $43 =	
		If multiple claims newly presented, add $290.00			
		Fee for extension of time & Notice of Appeal			$1,280.00
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Respectfully submitted,
FLESHNER & KIM, LLP

Daniel J. Kim
Registration No. 36,186

P.O. Box 221200
Chantilly, VA 20153-1200
(703) 766-3701 DYK:dac
Date: August 6, 2004

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